Title of Invention: System and Method for
Interactive Electronic Media Extraction...
Inventor's Name: PEEL, JR., J. ET AL.
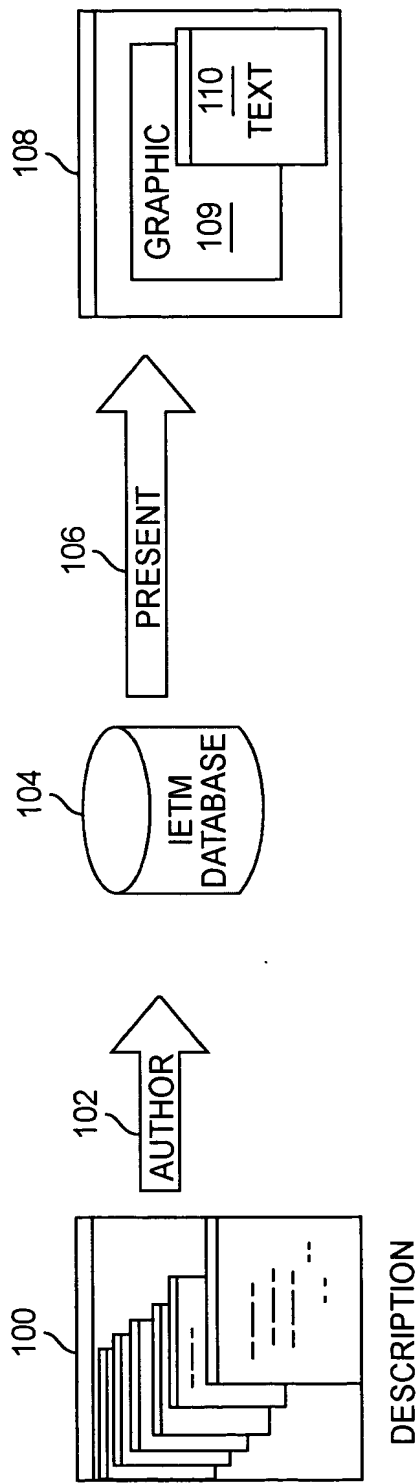Docket No./Application No.: 09/494,743

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Figure 1
PRIOR ART

Title of Invention: System and Method for
Interactive Electronic Media Extraction...
Inventor's Name: PEEL, JR., J. ET AL.
Docket No./Application No.: 09/494,743

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108

GRAPHIC

TEXT

206

LINKS

PHOTO

TEXT
LINKS
TEXT

WEB PAGES

106 PRESENT

202

HTML PAGES

204

LINKS

104

IETM DATABASE

MENU

102 AUTHOR

200 EXTRACT

100

DESCRIPTION

Figure 2

Title of Invention: System and Method
Interactive Electronic Media Extraction...
Inventor's Name: PEEL, JR., J. ET AL.
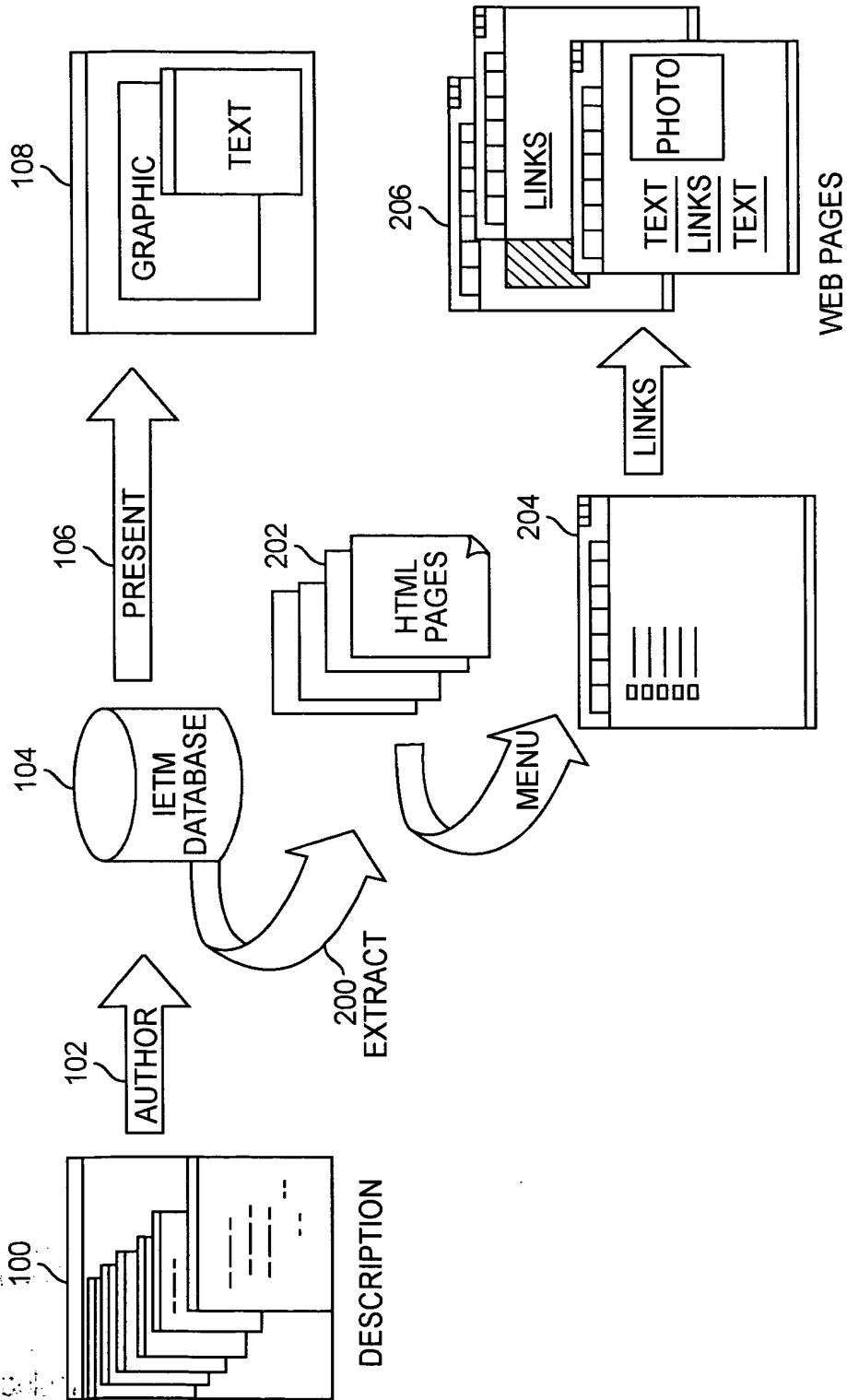Docket No./Application No.: 09/494,743

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300 — CONNECT TO DBMS

302 — GENERATE TOP LEVEL MENU

304 — SELECT MENU STRUCTURE

306 — DEFINE SCOPE

308 — SELECT INTER-OPERABILITY OPTIONS

310 — CONVERT GRAPHICS FILES

312 — DISPLAY STATUS

A

200

A

GENERATE HTML — 314
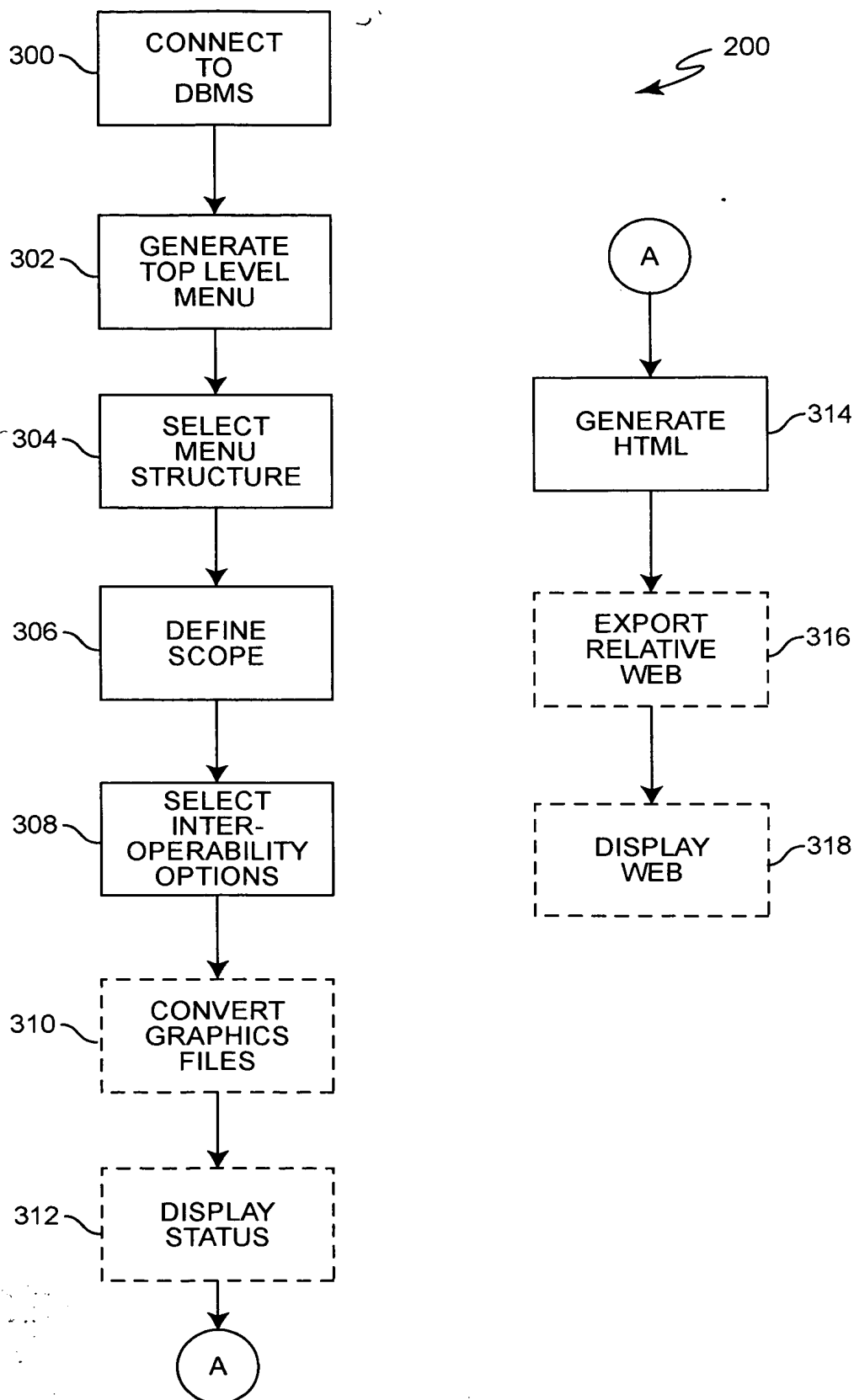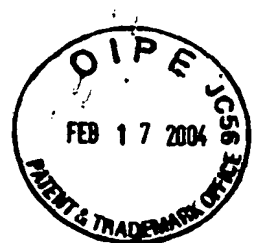
EXPORT RELATIVE WEB — 316

DISPLAY WEB — 318

Figure 3

Title of Invention: System and Method for
Interactive Electronic Media Extraction...
Inventor's Name: PEEL, JR., J. ET AL.
Docket No./Application No.: 09/494,743

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AN/BQQ-10(V)2 (AN/BQQ-5 VARIANT)

File | Extract | Window | Help

Text...
HTML...
Extract...

AN/BQQ-10(V)2 (AN/BQQ-5 VARIANT)
□ SYSTEM DATA
⊞ GENERAL INFORMATION
⊞ SYSTEM OPERATIONS
⊞ SYSTEM FUNCTIONAL DESCRIPTION
⊞ SYSTEM CABLING DIAGRAMS
⊞ SYSTEM CABLING TABLES
⊞ SAFETY PRECAUTIONS
⊞ OPERATING PROCEDURES
SYSTEM POWER DOWN SEQUENCE
SYSTEM POWER UP SEQUENCE
⊞ SYSTEM TROUBLESHOOTING
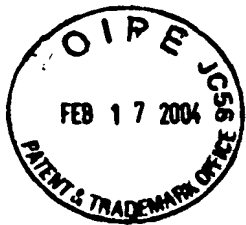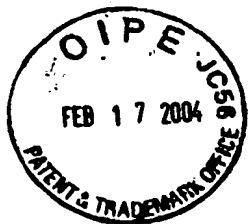⊞ MISCELLANEOUS DATA
□ UNIT DATA

Figure 4

Title of Invention: System and Method for
Interactive Electronic Media Extraction...
Inventor's Name: PEEL, JR., J. ET AL.
Docket No./Application No.: 09/494,743

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Figure 5

Title of Invention: System and Method for
Interactive Electronic Media Extraction...
Inventor's Name: PEEL, JR., J. ET AL.
Docket No./Application No.: 09/494,743

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Extracting To HTML Files

Choose a graphics extension.

bmp
gif
jpg

OK   Cancel

Figure 6

Title of Invention: System and Method for
Interactive Electronic Media Extraction...
Inventor's Name: PEEL, JR., J. ET AL.
Docket No./Application No.: 09/494,743

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Extracting - SYSTEM POWER DOWN SEQUENCE

Extraction Info

Rewriting file: d:\extract\temp\4\109\1878.html

Procedure file: SYSTEM POWER DOWN SEQUENCE
Rewriting file: d:\extract\temp\4\118\975D1 y.html
Closing file: d:\extract\temp\4\118\975D1 y. html
Rewriting file: d:\extract\temp\4\118\975D1n.html
Closing file: d:\extract\temp\4\118\975D1n.html

Closing file: d:\extract\temp\4\109\1878.html

Save Report   Print Report   Done

Figure 7

Title of Invention: System and Method for
Interactive Electronic Media Extraction...
Inventor's Name: PEEL, JR., J. ET AL.
Docket No./Application No.: 09/494,743

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Figure 8

Title of Invention: System and Method for
Interactive Electronic Media Extraction...
Inventor's Name: PEEL, JR., J. ET AL.
Docket No./Application No.: 09/494,743

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314

Extract a node or data class selected from menu — 91

Process A FIND LINKS — 92

Process A

Process links found in Process A — 93

Complete

Figure 9

Title of Invention: System and Method for
Interactive Electronic Media Extraction...
Inventor's Name: PEEL, JR., J. ET AL.
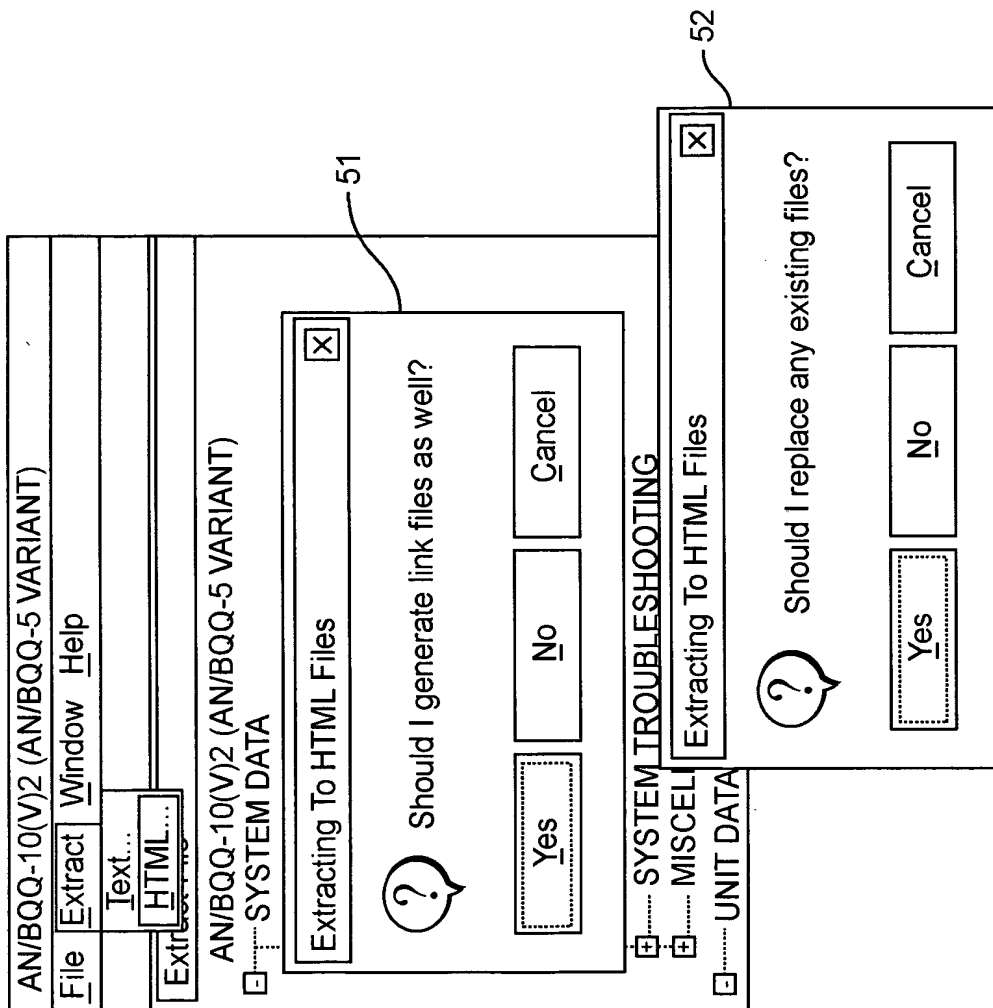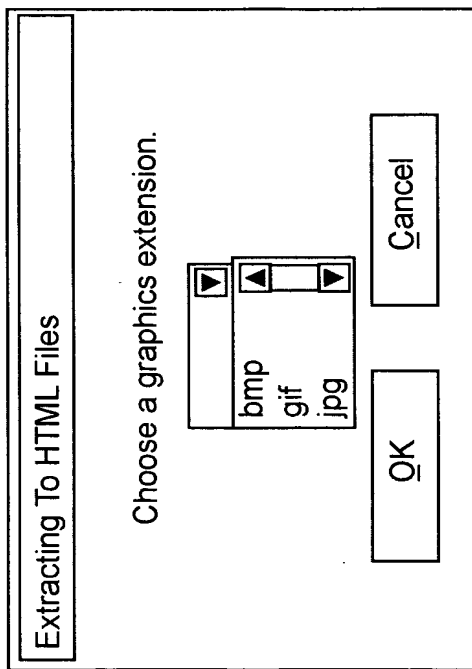Docket No./Application No.: 09/494,743

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92

Determine IETM type for node or data class

1002

1001 Menu type?

Yes → 1003 Create starting menu file from user selected location. Done one time. → 1004 Select child data classes or nodes from database given menu data class. → 1005 Create HTML file for a menu consisting of table row and table cell tags for alignment. A table cell contains an anchor tag for links to sub menus or IETM objects. → 1006 For each child data class, start the process. If user chooses to process links, start the process for each child node.

No

1010 Narrative type?

Yes → 1011 Select narrative information from the database. → 1012 Create HTML file for a narrative consisting of paragraph and anchor tags for links to other IETM objects, if user chooses to replace files. → 1013 Save any links found within the narrative information for later processing, if user chooses to process links. → Complete

No

1020 Graphic type?

Yes → 1021 Select graphic information from the database. → 1022 Create HTML file for a graphic consisting of an image map with area tags for links to other IETM objects, if user chooses to replace files. → 1023 Save any links found within the graphic information for later processing, if user chooses to process links. → Complete

No

1030 Table type?

Yes → 1031 Select table information from the database. → 1032 Create HTML file for a table consisting of table header, table row, and table cell tags. Each cell may contain anchor tags to other IETM objects, if user chooses to replace files. → 1033 Save any links found within the table information for later processing, if user chooses to process links. → Complete

No → B

Figure 10A

Title of Invention: System and Method for
Interactive Electronic Media Extraction...
Inventor's Name: PEEL, JR., J. ET AL.
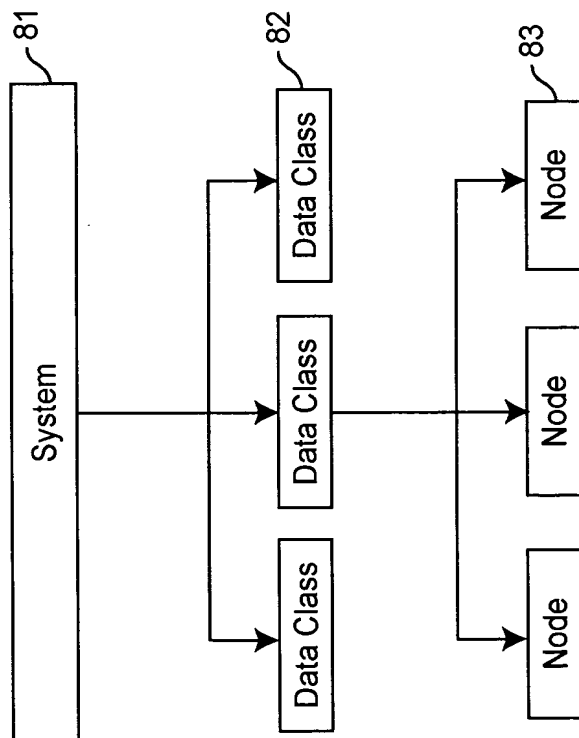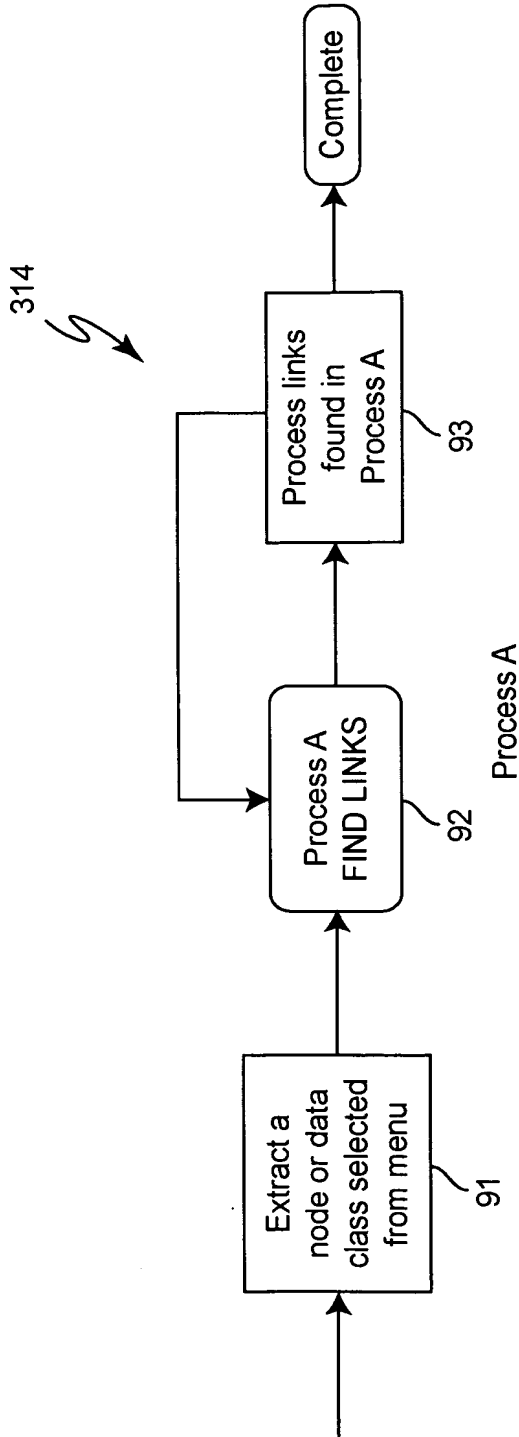Docket No./Application No.: 09/494,743

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B

1040

Procedure type?

No → Error

Yes

1041
Select procedure information from the database.

1042
Create HTML file for a procedure consisting of table row, table cell and checkbox tags. Anchor tags may be included to link to the other IETM types, if user chooses to replace files.

1043
Save any links found within the procedure information for later processing, if user chooses to process links.

1044
Does the procedure have an exit?

Yes → 1045 Select procedure information for exited to procedure.

No

1046
Does the procedure have a decision?

Yes → 1047 Extract Yes Decision of a procedure. → Process A

No

Complete

1048
Extract No Decision of a procedure. → Process A

Complete

Figure 10B

Title of Invention: System and Method for
Interactive Electronic Media Extraction...
Inventor's Name: PEEL, JR., J. ET AL.
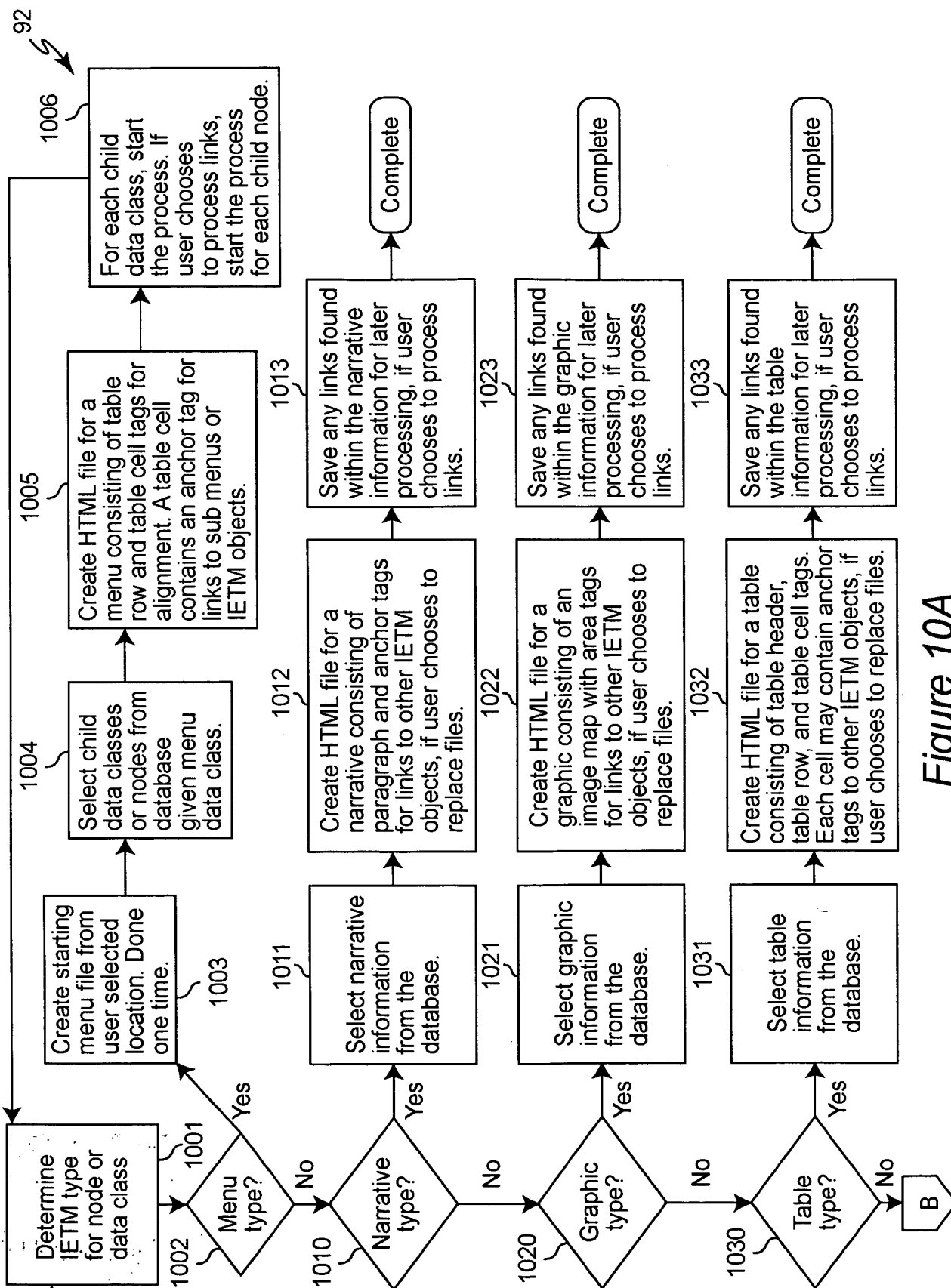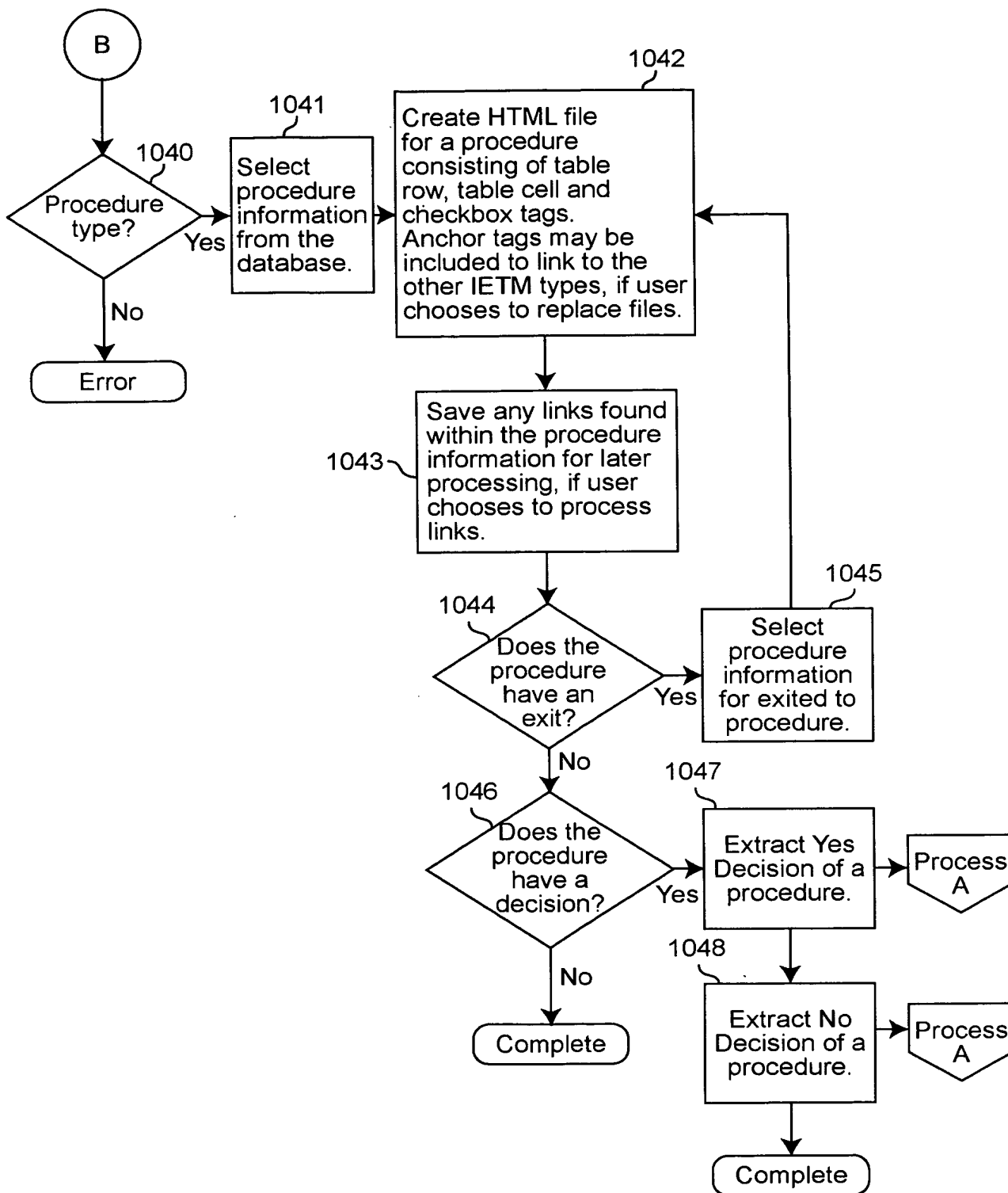Docket No./Application No.: 09/494,743

12/16

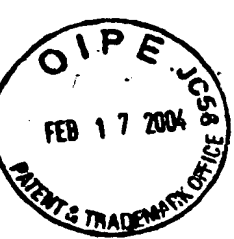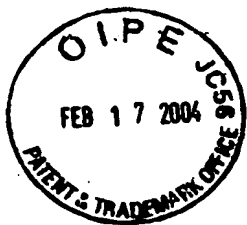Figure 11

Title of Invention: System and Method f● Interactive Electronic Media Extraction...
Inventor's Name: PEEL, JR., J. ET AL.
Docket No./Application No.: 09/494,743

13/16
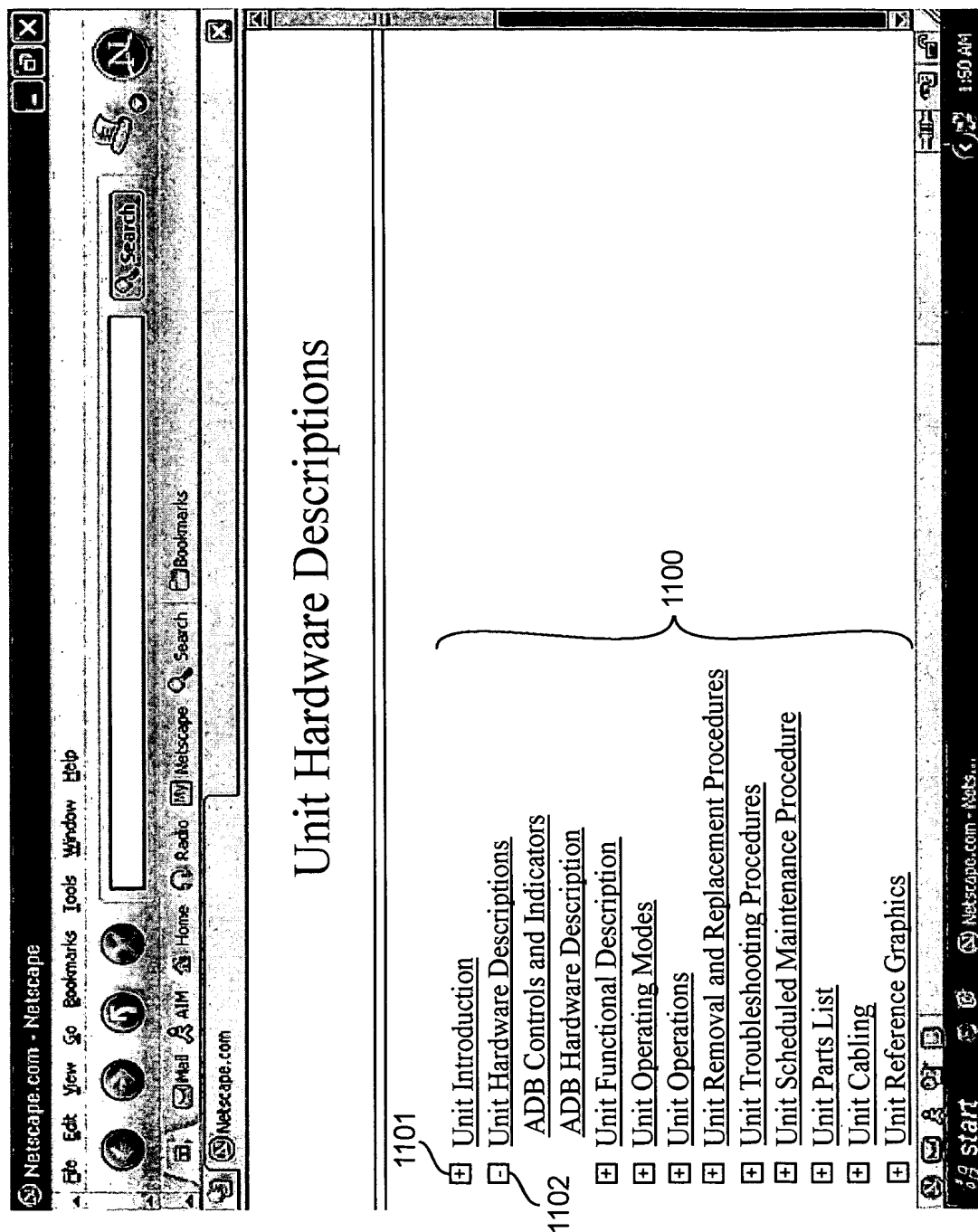
1666.html - Notepad

File   Edit   Format   View   Help

```
<HTML><HEAD><TITLE>35U Cabinet Cooling Fan Assembly R&R
Procedure</TITLE><CENTER><A
NAME="0"></A><H1>35U Cabinet Cooling Fan Assembly R&R
Procedure</CENTER></H1><HR WIDTH='100%'
SIZE='5'></HEAD><BODY>
<A NAME="1"></A><P>INPUT CONDITIONS:
<A NAME="2"></A><P>Personnel Recommended:   2
<A NAME="3"></A><P>2 Maintenance Technicians
<CENTER><TABLE BORDER=2 CELLPADDING=3>
<TR VALIGN="CENTER"><!--Begin table header data-->
<TH>Description</TH>
<TH>Part Number</TH>
<TH>Equipment NSN</TH>
<TH>CAGE Code</TH>
</TR><!--End of header data-->
<TR ALIGN="LEFT" VALIGN="TOP"><!--Begin row 1 data-->
<TD>  Nutdriver,5/16-inch</TD>
<TD>  A-A-2382</TD>
<TD>  5120002930796</TD>
<TD><A HREF='../../1/57/258.html#7'>   58536</A></TD>
</TR><!--End of Row 1-->
<TR ALIGN="LEFT" VALIGN="TOP"><!--Begin row 2 data-->
<TD>  Nutdriver,3/8-inch</TD>
<TD>  A-A-2382</TD>
<TD>  5120002221499</TD>
<TD><A HREF='../../1/57/258.html#7'>   58536</A></TD>
</TR><!--End of Row 2-->
<TR ALIGN="LEFT" VALIGN="TOP"><!--Begin row 3 data-->
<TD>  Pliers, cutting, 6-inch
</TD>
<TD>  A-A-2330</TD>
<TD>  5110002222708</TD>
<TD><A HREF='../../1/57/258.html#7'>   58536</A></TD>
</TR><!--End of Row 3-->
```

1201 (brace grouping header data)
1202 (brace grouping row 1 data), 1205
1203 (brace grouping row 2 data), 1205
1204 (brace grouping row 3 data), 1205

start   🌀 📧   1666.html - Notepad

Figure 12

Title of Invention: System and Method f
Interactive Electronic Media Extraction...
Inventor's Name: PEEL, JR., J. ET AL.
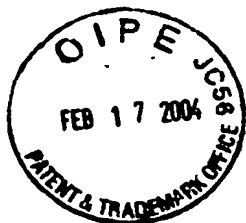Docket No./Application No.: 09/494,743

14/16

```
225.html - Notepad

File   Edit   Format   View   Help

<HTML><HEAD><TITLE>35U Cabinet Cooling Fan Assembly
Controls Photo</TITLE><CENTER><A NAME="0"></A><H1>
35U Cabinet Cooling Fan Controls Photo</CENTER></H1>
<HR WIDTH='100%' SIZE='5'></HEAD><BODY>
<CENTER><IMG SRC="../../graphics/PHOTOS/POOba01a.gif"
ismap usemap="#image.map" border=0>                    1301
<!--Hotspot links inside image map-->
<MAP NAME="image.map">
<AREA SHAPE=rect HREF="../../1/60/226.html#0"
TARGET="_top" ALT="35U Cabinet Cooling Fan Assembly
Power Switch" COORDS="335,26,441,129">     1302
</CENTER></MAP>
<!--Button Data--><P><P><CENTER><P></CENTER>
</BODY></HTML>                                 1303
```

start   225.html - Notepad

Figure 13

Title of Invention: System and Method for Interactive Electronic Media Extraction...
Inventor's Name: PEEL, JR., J. ET AL.
Docket No./Application No.: 09/494,743

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180.html - Notepad

File   Edit   Format   View   Help

```
<HTML><HEAD><TITLE>ADB Controls and Indicators</TITLE><CENTER>
<A NAME="0"></A><H1>ADB Controls and Indicators</CENTER></H1>
<HR WIDTH='100%' SIZE='5'></HEAD><BODY>
<A NAME="1"</A><P>The ADB Hardware Configuration Item has no unique
controls or indicators. It uses the controls and indicators of its components:
<A NAME="2"</A><P>1. 35U Cabinet Cooling Fan Assembly
<P><A HREF='../../1/82/225.html#0'>35U Cabinet Cooling Fan Assembly
Controls Photo</A>
<A NAME="3"</A><P>2. Power Distribution Unit
<P><A HREF='../../1/82/224.html#0'>PDU Controls and Indicators Photo</A>
<A NAME="4"</A><P>3. Dual Disk Expansion Chassis Assembly - Front
<P><A HREF='../../1/82/278.html#0'>Disk Expansion
Chassis Assembly Controls and Indicators Photo</A>
<A NAME="5"</A><P>a. Disk Drive Assembly
<P><A HREF='../../1/82/277.html#0'>Disk Drive Assembly Controls and
Indicators Photo</A>
<A NAME="6"</A><P>4. Dual Disk Expansion Chassis Assembly - Rear
<P><A HREF='../../1/82/240.html#0'>Disk Expansion
Chassis Assembly Rear Panel Controls Photo</A>
<A NAME="7"</A><P>5. Disk Expansion Chassis Assembly - Front
<P><A HREF='../../1/82/276.html#0'>Disk Expansion Chassis Assembly
Controls and Indicators Photo</A>
<A NAME="8"</A><P>a. Disk Drive Assembly
<P><A HREF='../../1/82/277.html#0'>Disk Drive Assembly Controls and
Indicators Photo</A>
<A NAME="9"</A><P>6. Disk Expansion Chassis Assembly - Rear
<P><A HREF='../../1/82/240.html#0'>Disk Expansion Chassis Assembly Rear
Panel Controls Photo</A>
<A NAME="10"</A><P>7. Phase-2 CPU Chassis - Front
<P><A HREF='../../1/82/230.html#0'>CPU Chassis Controls and Indicators
Photo</A>
<A NAME="11"</A><P>a. Disk Drive Assembly
<P><A HREF='../../1/82/277.html#0'>Disk Drive Assembly Controls and
Indicators Photo</A>
<A NAME="12"</A><P>8. Phase-2 CPU Chassis - Rear
<P><A HREF='../../1/82/243.html#0'>CPU Chassis Rear Panels Controls and
Indicators Photo</A>
<A NAME="13"</A><P>a. FDDI Printed Circuit Board Assembly.
<P><A HREF='../../1/82/805.html#0'>FDDI Printed Circuit Board Indicators
Photo</A>
</BODY></HTML>
```
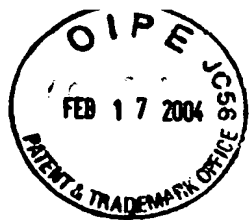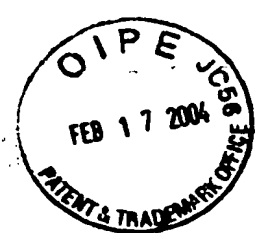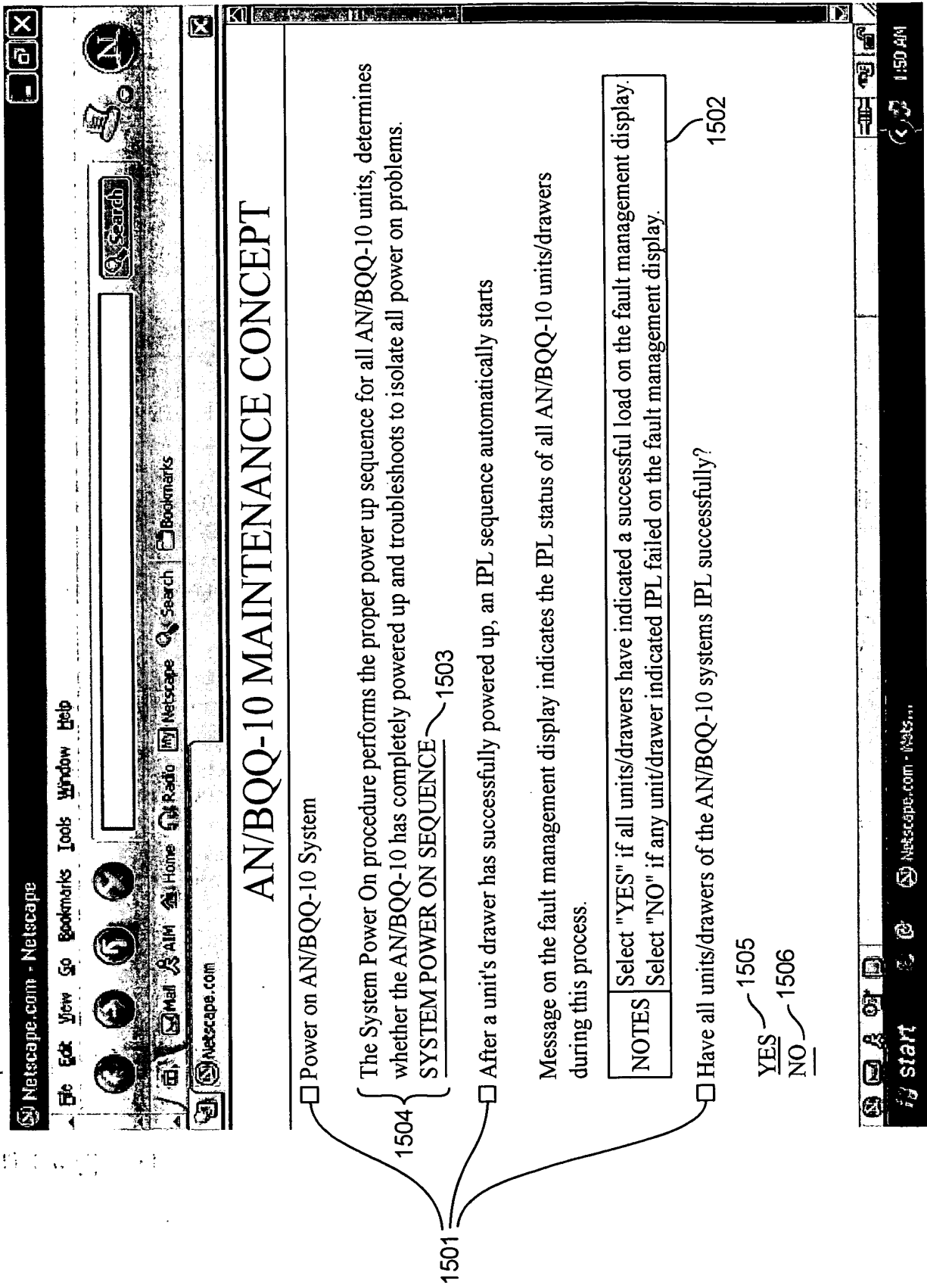
1401 (repeated markers)

start   180.html - Notepad

Figure 14

Title of Invention: System and Method for
Interactive Electronic Media Extraction...
Inventor's Name: PEEL, JR., J. ET AL.
Docket No./Application No.: 09/494,743

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AN/BQQ-10 MAINTENANCE CONCEPT

☐ Power on AN/BQQ-10 System

The System Power On procedure performs the proper power up sequence for all AN/BQQ-10 units, determines whether the AN/BQQ-10 has completely powered up and troubleshoots to isolate all power on problems.
SYSTEM POWER ON SEQUENCE ~1503

1504

☐ After a unit's drawer has successfully powered up, an IPL sequence automatically starts

Message on the fault management display indicates the IPL status of all AN/BQQ-10 units/drawers during this process.

| NOTES | Select "YES" if all units/drawers have indicated a successful load on the fault management display. Select "NO" if any unit/drawer indicated IPL failed on the fault management display. |

1502

☐ Have all units/drawers of the AN/BQQ-10 systems IPL successfully?

YES ~1505
NO ~1506

1501

Figure 15